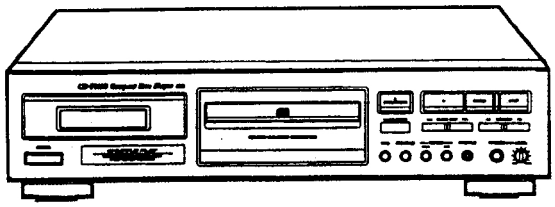


TEAC®

SERVICE MANUAL

CD-P1120

Compact Disk Player

COMPACT disc DIGITAL AUDIO

9A07483700

CD-P1120

1 SPECIFICATIONS

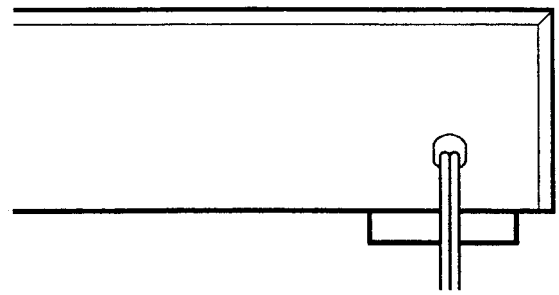
Pickup: 3 - beam, semiconductor laser
Encoding: 16-bit linear
Frequency Response:5 - 20,000 Hz+ 1 dB
Total Harmonic Distortion: < 0.03 % (1 kHz)
Signal to Noise Ratio: > 100 dB
Channel Separation: > 85 dB (1 kHz)
Wow and Flutter: Below measurable limit
Power Requirements:
120 V AC, 60 Hz (U.S.A. Model)
230 V AC, 50 hz (U.K./Europe Model)
120/230 V AC, 50 60 F1z
(General Export Model)
240 V AC, 50 Hz (Australia Model)
Power Consumption: 12 watts
Dimensions (WxHxD):
435 x 104 x 290 mm
(17-1/8" x 3-5/8" x 11-1/8")
Weight (net): 3.5 kg

• improvements may result in specification or feature changes without notice.

VOLTAGE CONVERSION

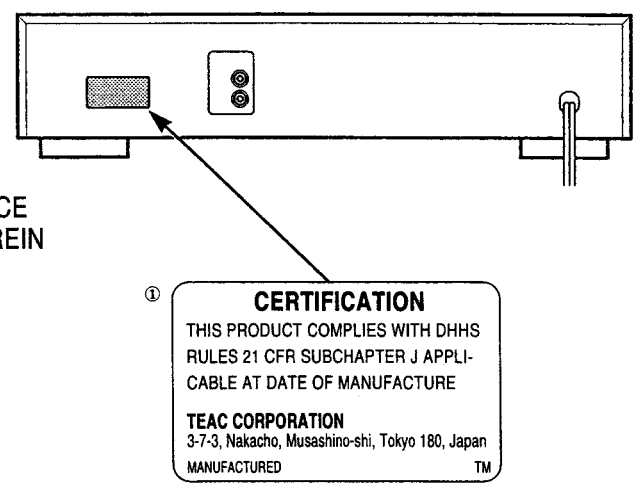
(For general export models)

Be sure to remove the power cord from the AC outlet before repositioning the voltage converter switch.
1. Locate the voltage selector on the rear panel.
2. Using a flat- bladed screwdriver, set to the appropriate 230 V or 120 V position according to your area.



SAFETY INFORMATION

This product has been designed and manufactured according toFDA regulations "title 21, CFR, chapter 1, subchapter J, based on the Radiation Control for Health and Safety Act of 1968 ",
and is classified as class 1laser product. There is not hazardous invisible laser radiation during operation because invisible laser radiation emitted inside of this product is completely confined in the protective housings. The label required in this regulation is shown ①.



CAUTION

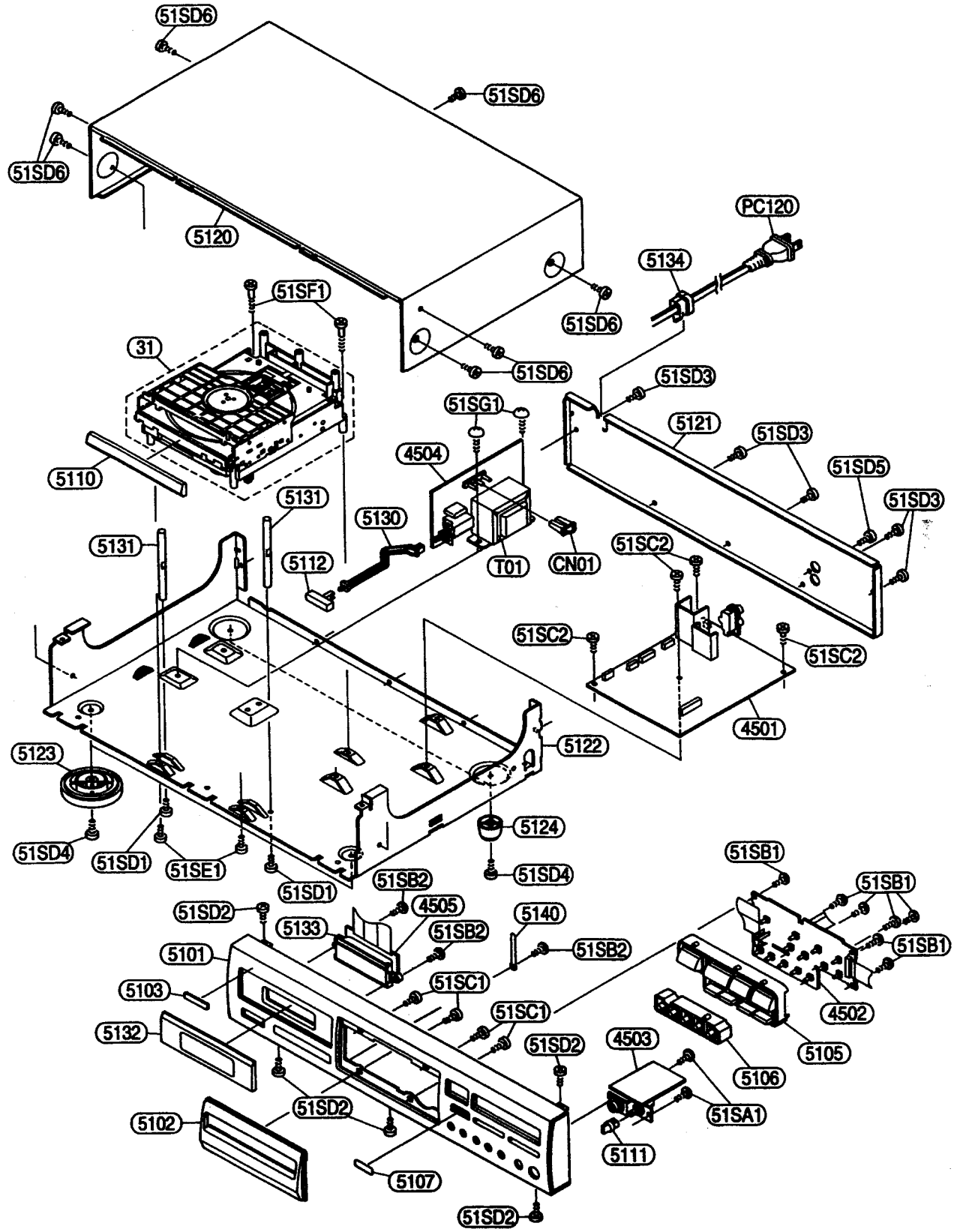
USE OF CONTROLS OR ADJUSTMENT OR PERFORMANCE OF PROCEDURES OTHER THAN THOSE SPECIFIED HEREIN MAY RESULT IN HAZARDOUS RADIATION EXPOSURE.

Optical pickup:
Type: SF-91P
Laser Output: Less than 0.5 roW on the objective lens
Wavelength: 765- 815 nm

NOTES:
1. Resistor values are in ohms (k=kilo-ohms, M=megohms).
2. Capacitor values are in microfarads (p=picofarads).
3. ⚠ Parts marked with this sign are safety critical components. They must always be replaced with identical components-refer to the appropriate parts list and ensure exact replacement.

INSTRUCTIONS FOR SERVICE PERSONNEL
BEFORE RETURNING APPLIANCE TO THE CUSTOMER, MAKE LEAKAGE-CURRENT OR RESISTANCE MEASUREMENTS TO DETERMINE THAT EXPOSED PARTS ARE ACCEPTABLY INSULATED FROM THE SUPPLY CIRCUIT.

EXPLODED VIEW



EXPLODED VIEW

Ref. No.	Parts No.	Description	Remarks
31	9A07070700	MECHA CD93F8N	CEC0991004200
31-1	9A03303300	MOTOR 3.0V 0.3W	1EA4M10A02100
31-2	9A07074400	ASSY,MOTOR,2V(SPINDLE MOT	1EA0M10A05700
31-3	9A07074500	ASSY,MOTOR,6V(SLED MOTOR)	1EA0M10A05800
31-4	9A07074600	ASSY,PICKUP,LASER,P101	1EA0A41A11400
5101	9A07148800	ESCUTCHEON	CEC2141003310
5102	9A07148900	PANEL,TRAY	CEC2155000710
5103	9A06844100	BADGE	CEC2163001800
5104	9A07149100	WINDOW	CEC2164006110
5105	9A07149000	BUTTON,PLAY	CEC2175011810
5106	9A07077900	BUTTON,FUNCTION	CEC2175011900
5107	9A07079200	FILTER,IR	CEC2431001200
5110	9A07149200	DECORATION,TRAY	CEC2144003910
5111	9A07077700	KNOB,ROTARY	CEC2171001800
5112	9A07077800	KNOB,PUSH	CEC2174005200
5116	9A07079800	SHEET,IR	CEC2462011300
5120	9A07077000	COVER,TOP	CEC2121003900
5121	9A07149300	PANEL, REAR [US]	CEC2153002310
5121	9A07154800	PANEL, REAR [AUS]	CEC2153002312
5121	9A07258000	PANEL,REAR [EUR, UK]	CEC2153002313
5122	9A07078400	CHASSIS	CEC2311006900
5123	9A06842900	ASSY,LEG	CEC0251001700
5124	9A07078300	LEG	CEC2251003500
5130	9A07078800	JOINT	CEC2351001900
5131	9A07078900	POST	CEC2373001100
5132	9A07149400	FILTER,LCD	CEC2431001300
5133	9A07149500	HOLDER,LAMP	CEC2451001300
5134	9A06846200	BUSHING,NIFCO 2271	CEC2446000200
51SA1	9A06855600	SCR S-TPG BIN 2.6X6	SFBDN266R0SE-
51SB1. 51SB2	9A00768400	SCREW, S-TPG BRZ M2.6*8	SFBAN268R0SE-
51SC1. 51SC2	9A01589800	SCREW, S-TPG BIN M3*6	SFBDN306R0SE-
51SD1-51SD6	9A01041200	SCREW, S-TPG BIN M3*8	SFBDN308R0SM-
51SE1	9A07086400	SCR S-TPG BIN 3X14	SFBDN30140SE-
51SF1	9A07086500	SCR S-TPG BIN 3X25	SFBDN30250SE-
51SG1	9A06856000	SCREW, S-TPG TR S4*6	SFSTN406R0SE-
	9A07088800	FUSE 250V 0.80A [EUR. UK]	F31SR80C2SCTX
	9A07088900	FUSE 250V 800MA [EUR. UK]	CEC4S30001000
	9A07088800	FUSE 250V 0.63A [AUS]	F31SR63C2SCTX
	9A07088900	FUSE 250V 630MA [AUS]	CEC4S30000800

INCLUDED ACCESSORIES

Ref. No.	Parts No.	Description	Remarks
	9A06701900	OWNER'S MANUAL(E) CD-P1120 [US, AUS]	CEC6P10002830
	9A06831300	OWNER'S MANUAL E/F/G/I/S/N [EUR, UK]	CEC6P10002840
	9A07149600	REMOCON	CEC4U10002209
	9A06849900	PLUG,CORD,RCA	CEC4W20004000

MAIN PCB ASSY

Ref. No.	Parts No.	Description	Remarks
	9A07148300	MAIN PCB ASSY [US, AUS]	CEC0B10027200
	9A07148310	MAIN PCB ASSY [EUR. UK]	CEC0B10027201
	9A07149900	MAIN PCB	CEC4B10027200
CN701	9A00436800	PLUG, 5P	42369749100
CN702	9A00187900	PLUG, 8P PH V	42369749900
CN703	9A00188000	PLUG, 6P PH V	42369749200
CN704	9A07152100	PLUG, 2P	42369738900
CN706	9A06859100	JACK,2P,RCA	1EA4J12A07400
CN710	9A06976700	PLUG, 4P PH V	42369751000
CN712	9A07152200	PLUG,19P S	CEC4J10005419
D701, 702	9A06853400	DIODE 1SS133-T-77	DD1SS133-----A
D704- 707	9A06853300	DIODE 1A3-I	DD1A3-I------C
D712	9A07150200	ZENER DIODE MTZJ5.1C	DZMTZJ5.1C---A
IC701	9A06854100	IC LA9240M BIPOLAR	QLA9240M-----N
IC702	9A06854300	IC LC78622E CMOS	QLC78622E----N
IC703	9A06854000	IC LA6541D BIPOLAR	QLA6541D-----N
IC706	9A07085400	IC LB1641	QLB1641------N
IC707	9A06854600	IC NJM7808FA BIPOLAR	QNJM7808FA---N
IC708	9A07150300	IC BA4558N	QBA4558N-----N
Q701	9A02687100	TR., 2SA1317-S-AC	T2SA1317-S---C
Q702	9A02686900	TR., 2SA1346-AC	T2SA1346-----C
Q704	9A06856800	TR., DTC124ESA-TP	TDTC124ESA---C
Q706, 707	9A07150000	TR., 2SD1936-T	T2SD1936-T---N
Q709	9A07150100	TR., 2SC3330-U-AC	T2SC3330-U---C
Q710	9A07257700	TR., DTC144ESA-TP [EUR. UK]	TDTC144ESA---C
XT1	9A07152000	RESONATOR,16.9344MHZ	1EA4V10A09300

KEY PCB ASSY

Ref. No.	Parts No.	Description	Remarks
	9A07148400	KEY PCB ASSY [US, AUS]	CEC0B10027300
	9A07148410	KEY PCB ASSY [EUR. UK]	CEC0B10027301
	9A07152900	KEY PCB	CEC4B10027300
CN710	9A07153100	PLUG 19P R	CEC4J10005459
IC801	9A07153000	IC LC587206A-1L61	QXXGA0042316N
REM	9A06847500	IC GP1U781R	CEC4D61005300
REM	9A06847600	IC GP1U281X	CEC4D61005900
SW801 -813	9A06849200	SWITCH TACT	CEC4S14000300
Y801	9A02291400	CERAMIC RESONATOR 4.32MHZ	1EA4V10A01100

H.P PCB ASSY

Ref. No.	Parts No.	Description	Remarks
	9A07148500	H.P PCB ASSY [US, AUS]	CEC0B10027400
	9A07148510	H.P PCB ASSY [EUR, UK]	CEC0B10027401
	9A07153200	H.P PCB	CEC4B10027400
	9A07153800	CONNECTOR,ASSY	CEC4J13015100
CN709	9A07153700	CONNECTOR,4P,PH,ASSY	CEC4J13014200
IC401	9A07153300	IC M5218AP	QM5218AP-----N
J401	9A07081200	JACK H.P.	CEC4J12003000
VR401	9A07082700	VR ROTARY 50K	CEC4R20001400

POWER PCB ASSY

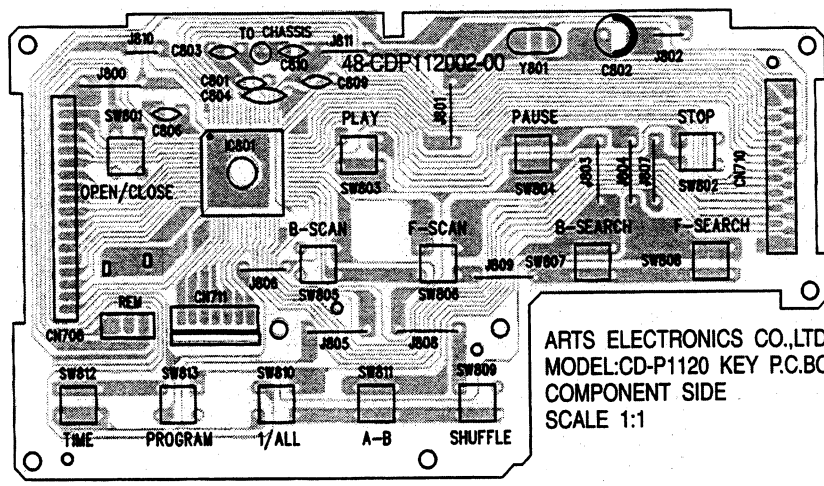
Ref. No.	Parts No.	Description	Remarks
	9A07148600	POWER PCB ASSY [US]	CEC0B10028530
	9A07148610	POWER PCB ASSY [EUR]	CEC0B10028540
	9A07148630	POWER PCB ASSY [UK]	CEC0B10028541
	9A07148640	POWER PCB ASSY [AUS]	CEC0B10028560
	9A06978400	S-STANDARD SOLDER	ZEA7500ZZ-----
	9A07083400	POWER CORD [US]	CEC4W10005200
	9A07087800	POWER CORD [EUR]	CEC4W10004000
	9A07258200	POWER CORD [UK]	CEC4W10004700
	9A07089300	POWER CORD [UK]	CEC4W10004800
	9A07153900	PCB,POWER [US]	CEC4B10027501
	9A07155300	PCB,POWER [EUR, UK]	CEC4B10028500
	9A07258400	PCB,POWER [AUS]	CEC4B10027700
	9A07155500	CONNECTOR,1P,ASSY [EUR, AUS]	CEC4J13014700
CN01	9A07154100	CONNECTOR 2P PH	CEC4J13014000
EC01, 02	5760663000	EC TERMINAL, 1P	42372008300
F01	9A07088000	FUSE HOLDER [EUR, UK, AUS]	CEC4J20000500
SW01	9A06849100	SWITCH,PUSH,POWER	CEC4S11001800
T01	9A07154000	POWER TRANS [US, EUR, UK]	CEC4L50005930
T01	9A07258500	POWER TRANS [AUS]	CEC4L50005960

DISPLAY PCB ASSY

Ref. No.	Parts No.	Description	Remarks
	9A07148700	DISPLAY PCB ASSY	CEC0B10027600
	9A07154200	PCB DISPLAY	CEC4B10027600

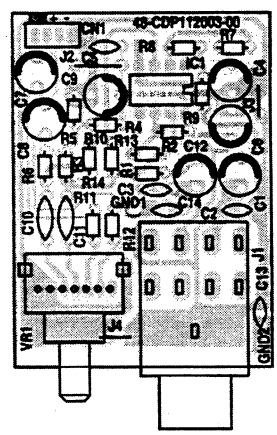
CD-P1120

CONTROL BOARD ASS'Y

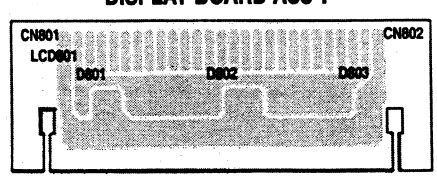


ARTS ELECTRONICS CO.,LTD
MODEL:CD-P1120 KEY P.C.BOARD
COMPONENT SIDE
SCALE 1:1

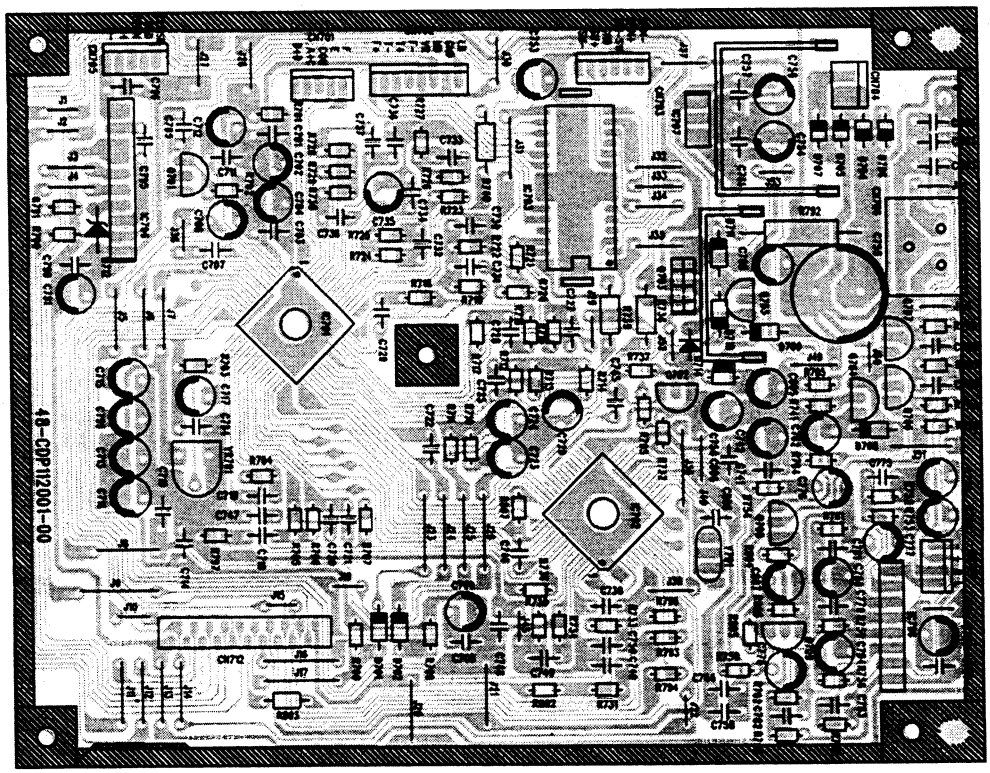
HEAD PHONE BOARD ASS'Y



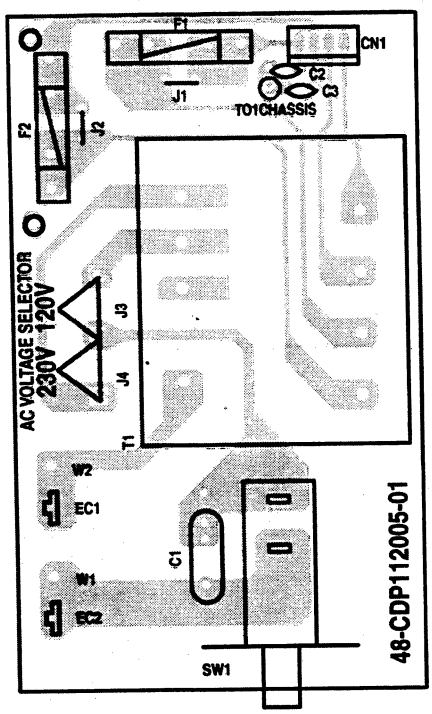
DISPLAY BOARD ASS'Y



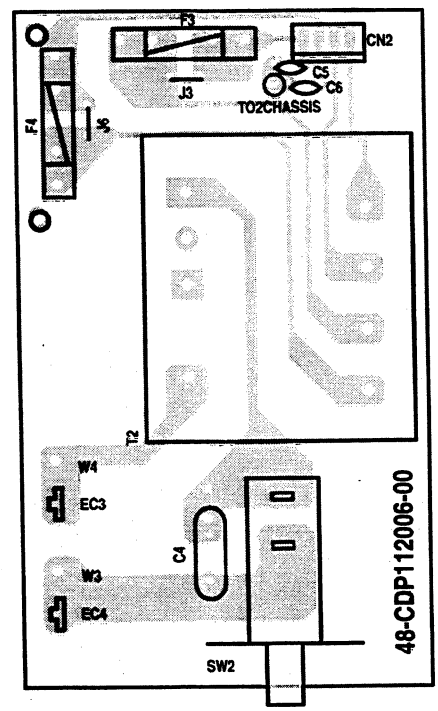
MAIN BOARD ASS'Y



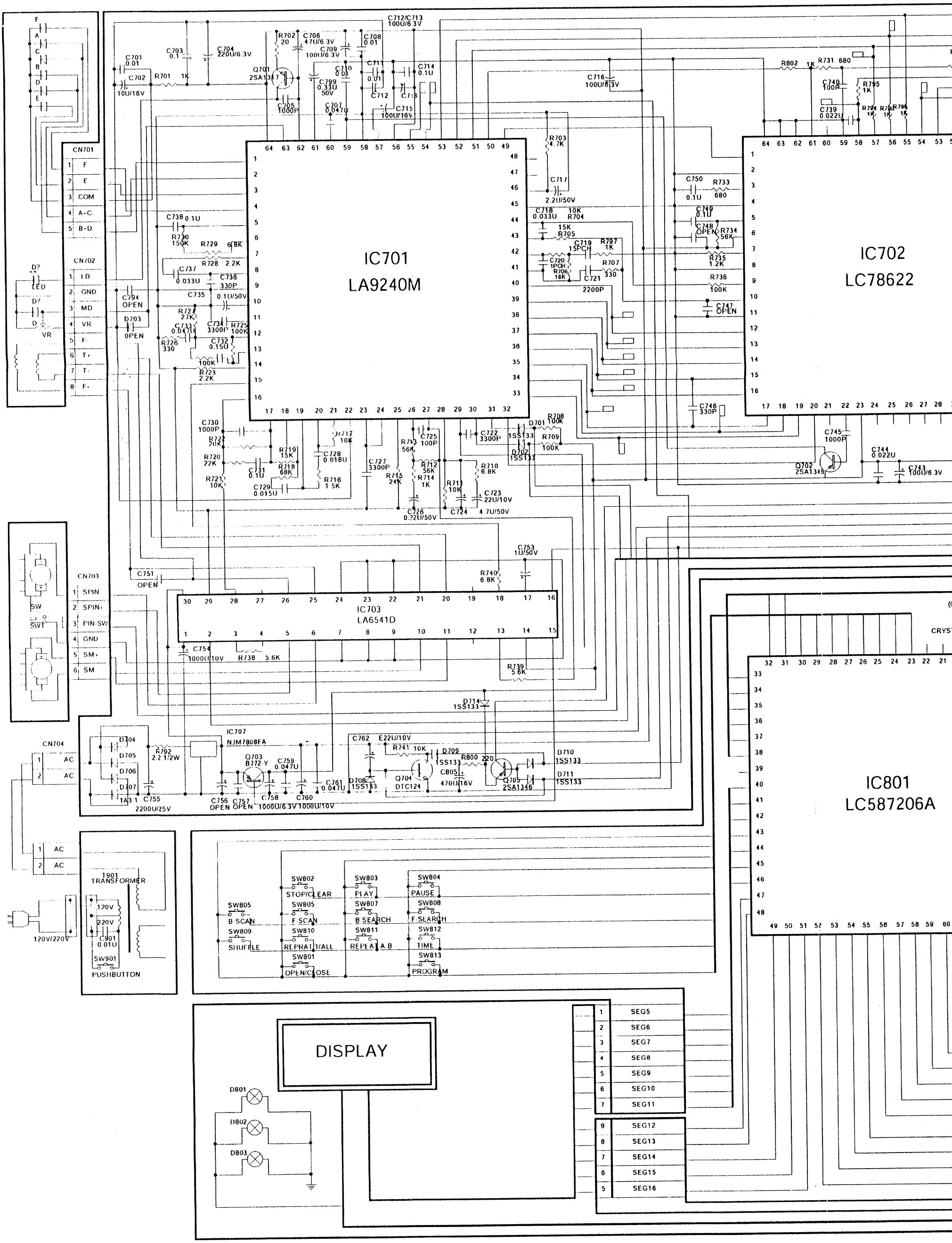
POWER BOARD ASS'Y WITH AC VOLTAGE SELECTOR



POWER BOARD ASS'Y



TEAC SCHEMATIC DIAGRAM



CD-P1120

COMPACT DISK PLAYER

IC702
LC78622

IC801
LC587206A

IC401 5218A

IC708 BA4558N

IC706 LB1641

PHONEJACK STEREO

CN706
1	R-CH
2	GND
3	L-CH

CN712
1	GND
2	RESET
3	SQOUT
4	COIN
5	COCK
6	WRQ
7	VDD
8	FEED+
9	FEED-
10	4.2MHZ
11	PIN SW
12	DRF
13	CLOSE SW
14	OPEN SW
15	TRAY+
16	TRAY-
17	D-MUTE
18	A-MUTE
19	RWC

CN705
1	CLOSE
2	GND
3	OPEN
4	M+
5	M-

1	GND
2	+5V
3	COM1
4	COM2
5	COM3
6	COM4
7	SEG23
8	SEG22
9	SEG21

1	SEG20
2	SEG19
3	SEG18
4	SEG17

REMOCON